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(71) Applicant (for all designated States except US): COM-
MONWEALTH SCIENTIFIC AND INDUSTRIAL
RESEARCH ORGANISATION [AU/AU]; Limestone
Avenue, Campbell, Australian Capital Territory 2612
(AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BELL, Daniel
[AU/AU]; 117 The Boulevard, Thomastown, Victoria 3074
(AU). CASEY, Phil [AU/AU]; 24A Britten Street, Glen

Iris, Victoria 3146 (AU). GOZUKARA, Yesim [AU/AU];
2 Brownlee Crescent, Wheelers Hill, Victoria 3150 (AU).
HILL, Anita [AU/AU]; 45 Manningtree Road, Hawthorn,
Victoria 3122 (AU). MARDEL, James [AU/AU]; 59
Leila Road, Ormond, Victoria 3204 (AU). MARKLEY,
Tracey [AU/AU]; 11 Amy Street, Camberwell, Victoria
3124 (AU). MEAKIN, Pavla [AU/AU]; 1 Pychley Drive,
Croydon, Victoria 3136 (AU). OH, Chull, Hee [AU/AU];
17 Bowman Street, Mt. Waverley, Victoria 3149 (AU).
TURNERY, Terry [AU/AU]; 11 Sherbrooke Road, Sher-
brooke, Victoria 3789 (AU).

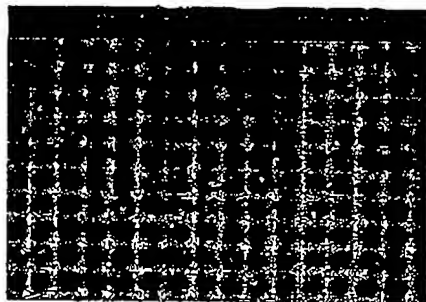
(74) Agent: FREEHILLS CARTER SMITH BEADLE;
Level 43, 101 Collins Street, Melbourne, Victoria 3000
(AU).

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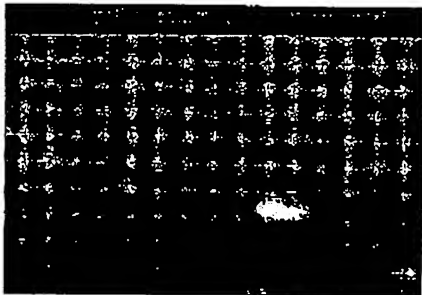
[Continued on next page]

(54) Title: WEAR RESISTANT POLYMERS

(a) × 1.0K



(b) × 6.0K



SEM micrograph of the surface of polyurethane containing 6.1wt%
alumina prepared via the solvent method.

(57) Abstract: A method of improving the wear resistance of
a polymer is disclosed comprising the steps of evenly dispers-
ing an ultrafine inorganic particulate material in the polymer at a
loading rate of 0.01 to 20wt% of the total weight of the particu-
late polymer composite. The mixing or dispersing is preferably
carried out under sub-atmospheric pressure conditions to ensure
little or no bubbles form in the mixture prior to curing.

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